South South	al Number: 09/580, 803	CRF Processing Date: 2/17/2001 Edited by:
\	Changed a file from non-ASCII to ASCII	Vorified by: (STIC state
	Changed the margins in cases where the sequence lox was a	epped down to the next line.
	Edited a format error in the Current Application Data section, spe	citically:
	Edited the Current Application Data section with the actual current applicant was the prior application data; or other	nt number. The number inputted by the
	Added the mandatory heading and subheadings for *Current App	lication Data*.
	Edited the 'Number of Sequences' field. The applicant spelled or	ut a number instead of using an integer.
	Changed the spelling of a mandatory field (the headings or subhe	adings), specifically:
	Corrected the SEQ ID NO when obviously incorrect. The sequence	ce numbers that were edited were:
	Inserted or corrected a nucleic number at the end of a nucleic line	SEQ ID NO's edited:
	Corrected subheading placement. All responses must be on the sapplicant placed a response below the subheading, this was move	ame line as each subheading. If the ed to its appropriate place.
	Inserted colons after headings/subheadings. Headings edited inc	luded: , .
	Deleted extra, invalid, headings used by an applicant, specifically:	·
	Deleted. non-ASCII "garbage" at the beginning/end of files; page numbers throughout text; other invalid text, such as	
	Inserted mandatory headings, specifically:	
	Corrected an obvious error in the response, specifically:	
	Edited identifiers where upper case is used but lower case is requ	
	Corrected an error in the Number of Sequences field, specifically:	
	A *Hard Page Break* code was inserted by the applicant. All occu	·
	Deleted ending stop codon in amino acid sequences and adjusted due to a Patentin bug). Sequences corrected:	the *(A)Length:* field accordingly (error
	Other: corrected (1407, (1417 numeric)	

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

Input Set : A:\Pto.amc

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3 <110> APPLICANT: KLAGSBRUN, Michael
          SOKER, Shay
          MIAO, Hua Quan
  7 <120> TITLE OF INVENTION: ANTAGONISTS OF NEUROPILIN RECEPTOR FUNCTION AND USE THEREOF
  9 <130> FILE REFERENCE: 48802 C
 11 <140> CURRENT APPLICATION NUMBER: 09/580,803
 12 <141> CURRENT FILING DATE: 2000-05-30
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 15 <151> PRIOR FILING DATE: 1997-12-09
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/580,803

DATE: 07/17/2001 TIME: 14:59:28

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	_	_				cctgggggtc	4560
	J JJ JJ	. <u> </u>	· · J	. ,			

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155		130	-		4		135			4		140		4 -	- 0	- 4	
156	Pro (Cys	Ser	Gln	Asn		Thr	Thr	Pro	Ser		Val	Ile	Lvs	Ser	
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158	Pro (Glv	Phe	Pro	Glu		Tyr	Pro	Asn	Ser		Glu	Cvs	Thr	Tvr		
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Input Set : A:\Pto.amc

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180			-1-	3		_				-		-			_		
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184 Trp 11e 71e 11e		-1-	-1-		-1-		-1-	_1_							•		-
185 370		Trp	Tle		Ile	Lvs	Glu	Gĺv	Asn	Lvs	Pro	Val	Leu	Phe	Gln	Gly	Asn
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190 Met Arg Phe Glu Val Tyr Gly Cys Lys Ile Thr Asp Tyr Pro Cys Ser 191 420 420 10 420 425 10 430 10 430 10 430 10 430 10 430 10 10 11 10 420 10 420 10 420 10 420 10 430 10 11			,					-				-			-		
191 Gly Met Leu Gly Met Val Ser Gly Leu Ile Ser Asp Ser Gln Ile Thr 193 Gy Ser Ser Ass Gly Gly Met Val Ser Gly Leu Ile Ser Asp Ser Gln Ile Thr 194 Ser Ser Ass Gln Gly Asp Arg Ass Trp Met Pro Glu Ass Ile Arg Leu 195 450 Frag Ser Gly Trp Ala Leu Pro Pro Ala Pro His Ser Tyr 196 Val Thr Ser Arg Ser Gly Trp Ala Leu Pro Pro Ala Pro His Ser Tyr 197 465 Frag Asp Glu Trp Leu Gln Ile Asp Leu Gly Glu Glu Glu Lys Ile Val Arg 198 Ile Ass Glu Trp Leu Gln Gly Gly Lys His Arg Glu Glu Glu Lys Ile Val Arg 199 Frag Asp Frag Ker Ser Ser Ser Ser Ser Ser Ser Ser Ser S		Met	Ara	Phe	Glu	Val	Tvr	Gĺv	Cvs	Lvs	Ile	Thr	Asp	Tyr	Pro	Cys	Ser
192 Gly Met Leu Gly Met Val Ser Gly Leu Gly Leu Gly Leu Gly							-	-	-	_			-	-		-	
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205 530 535 545 540 206 Asn Tyr Asp Thr Pro Glu Leu Arg Thr Phe Pro Ala Leu Ser Thr Arg 207 545 550 555 555 60 560 208 Phe Ile Arg Ile Arg Tyr Pro Glu Arg Ala Thr His Gly Gly Leu Gly Leu Cly 575 575 575 575 210 Arg Met Glu Leu Leu Gly Cys Glu Val Glu Ala Pro Thr Ala Gly Pro	204	Ile	Met	Asp	Asp	Ser	Lys	Arg	Lys	Ala	Lys	Ser	Phe	Glu	Gly	Asn	Asn
207 545 550 555 560 208 Phe Ile Arg Ile Tyr Pro Glu Arg Ala Thr His Gly Gly Leu Gly Leu Leu Gly Leu Leu 209 565 570 575 210 Arg Met Glu Leu Leu Gly Cys Glu Val Glu Ala Pro Thr Ala Gly Pro				-	_		_		_		-						
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209 565 570 575 210 Arg Met Glu Leu Gly Cys Glu Val Glu Ala Pro Thr Ala Gly Pro			_	_													
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• Input Set : A:\Pto.amc

Output Set: N:\CRF3\07172001\I580803.raw

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221	1115	2,5		660	0 15	1125	119	OLU	665	p	11011	1110	• • •	670	LCu	275
	m-r-r	Com	17-1		Thr	Com	Ta	mhm		Dro	т1.	Cln	7 00		mbr	C1.,
222	пр	Set		Leu	1111	261	гуэ			PIO		GIII	_	птэ	. 1 1111	GIY
223		a 1	675	D 1.	-1-			680					685	T	a 1	.
224	Asp	_	Asn	Phe	Ile	lyr		GIn	Ата	Asp	GIu		GIn	ьys	GLY	гÀг
225		690					695					700				
226	Val	Ala	Arg	Leu	Val	Ser	Pro	Val	Val	${ t Tyr}$	Ser	Gln	Asn	Ser	Ala	His
227	705					710					715					720
228	Cys	Met	Thr	Phe	Trp	Tyr	His	Met	Ser	Gly	Ser	His	Val	Gly	Thr	Leu
229					725					730					735	•
230	Arq	Val	Lys	Leu	Arg	Tyr	Gln	Lys	Pro	Glu	Glu	Tyr	Asp	Gln	Leu	Val
231	_		-	740	_	-		-	745			_	_	750		
232	Trp	Met	Ala	Ile	Gly	His	Gln	Glv	Asp	His	Trp	Lvs	Glu	Glv	Arq	Val
233			755					760					765			
234	Len	Len		Lvs	Ser	Len	Lvs		Tvr	Gln	Va1	Tle		Ġ1u	Glv	Glu
235	200	770		-10	-		775		-1-	0411	,	780				014
236	T1a		T.ve	Glv	Asn	T.011		G1 v	Tla	Δla	Val		Δen	τl۵	Sor	Tle
237	785	GLY	цуз	Gry	ASII	790	GLY	GLY	IIC	AIU	795	пор	АЗР	110	DCI	800
238		7 an	шіс	т10	Ser		C1	A an	Crro	712		Dro	λla	A an	T 011	
	ASII	ASII	птэ	TTE		GIII	GIU	ASP	Cys		гу	PIO	мта	ASP	815	ASP
239	T	T	3	D	805	T1.	T	T1.	3	810	mb	a 1	a	mh		a 1
240	гĀЗ	ьys	ASII		Glu	тте	гаг	тте	_	GIU	Thr	GTA	ser		Pro	GTÀ
241	_			820				_	825	_		_	_	830	_	
242	Tyr	GIu	_	Glu	Gly	GIu	GLY	_	Lys	Asn	TTE	Ser	_	ьуs	Pro	GIĄ
243			835					840					845			
244	Asn		Leu	Lys	Thr	Leu	Asp	Pro	Ile	Leu	Ile	Thr	Ile	Ile	Ala	Met
245		850					855					860				
246	Ser	Ala	Leu	Gly	Val	Leu	Leu	Gly	Ala	Val	Cys	Gly	Val	Val	Leu	Tyr
247	865					870					875					880
248	Cys	Ala	Cys	\mathtt{Trp}	His	Asn	Gly	Met	$\operatorname{\mathtt{Ser}}$	Glu	Arg	Asn	Leu	Ser	Ala	Leu
249					885					890					895	
250	Glu	Asn	Tyr	Asn	Phe	Glu	Leu	Val	Asp	Gly	Val	Lys	Leu	Lys	Lys	Asp
251			-	900					905	-		-		910	_	-
252	Lvs	Leu	Asn	Thr	Gln	Ser	Thr	Tvr	Ser	Glu	Ala					
253	-1-		915		_			920								
	<210>	> SEC		NO ·	3											
	5 <210> SEQ ID NO: 3 7 <211> LENGTH: 3404															
	S <212> TYPE: DNA															
	O <213> ORGANISM: human															
262	1 <400> SEQUENCE: 3 2 gaattcggca cgaggggaaa ataaaagaga gaaaaacaca aagatttaaa caagaaacct															
263	-		-						_			_			_	acctgg
203	acya	accc	ay (بالالالإ	yaaa	iy aç	juual			aaaa	LLYY	acal	-9 L L l	ا تات		LUCLYY

60 120 VERIFICATION SUMMARY

PATENT APPLICATION: US/09/580,803

DATE: 07/17/2001

TIME: 14:59:29

Input Set : A:\Pto.amc

1642

RAW SEQUENCE LISTING DATE: 07/17/2001 PATENT APPLICATION: US/09/580,803 TIME: 14:23:03

Input Set : A:\ES.txt

Output Set: N:\CRF3\07172001\I580803.raw

Does Not Comply
Corrected Diskette Needed

```
3 <110> APPLICANT: KLAGSBRUN, Michael
             SOKER, Shay
      5
             MIAO, Hua Quan
      7 <120> TITLE OF INVENTION: ANTAGONISTS OF NEUROPILIN RECEPTOR FUNCTION AND USE THEREOF
      9 <130> FILE REFERENCE: 48802 C
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/580,803
C--> 11 <141> CURRENT FILING DATE: 2000-05-30
    11 <150> PRIOR APPLICATION NUMBER: 09/580,803
    12 <151> PRIOR FILING DATE: 2000-05-30
    14 <150> PRIOR APPLICATION NUMBER: 60/069,155
    15 <151> PRIOR FILING DATE: 1997-12-09
    17 <150> PRIOR APPLICATION NUMBER: 60/069,687
    18 <151> PRIOR FILING DATE: 1997-12-29
    20 <150> PRIOR APPLICATION NUMBER: 60/078,541
    21 <151> PRIOR FILING DATE: 1998-03-19
    24 <160> NUMBER OF SEQ ID NOS: 11
    26 <170> SOFTWARE: FastSEQ for Windows Version 3.0
```

ERRORED SEQUENCES

```
500 <210> SEQ ID NO: 11
     501 <211> LENGTH: 44
     502 <212> TYPE: PRT
     503 <213> ORGANISM: human
     505 <400> SEQUENCE: 11
     506 Pro Cys Gly Pro Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp
     507
                                               10
     508
          Pro Gln Thr Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys
     509
                      20 .
                                           25
     510
          Ala Arg Gln Leu Glu Leu Asn Glu Arg Thr Cys Arg
E--> 515 (Footnote continued from previous page)
E--> $16 (Footnote continued on next page)
```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/580,803

DATE: 07/17/2001

TIME: 14:23:04

Input Set : A:\ES.txt

Output Set: N:\CRF3\07172001\1580803.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:515 M:333 E: Wrong sequence grouping, Amino acids not in groups!

L:515 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:5

L:516 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:11

L:516 M:333 E: Wrong sequence grouping, Amino acids not in groups!

L:516 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:5 L:516 M:252 E: No. of Seq. differs, <211>LENGTH:Input:44 Found:54 SEQ:11